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AUSTIN, TEXAS 78731**FACSIMILE TRANSMITTAL TO USPTO**

|   |  |
|---|--|
| <b>To:</b> Mail Stop Amendment                    | <b>Fax No.:</b> (703) 872-9306<br><b>Phone No.:</b>                              |
| <b>Date:</b> June 28, 2004                        | <b>Pages:</b> 14 (including this sheet)  |
| <b>From:</b> Steven R. Gilliam<br>Reg. No. 51,734 | <b>Sender's Phone No.:</b> 512-338-6300<br><b>Sender's Fax No.:</b> 512-338-6301 |

**REGARDING:**

|   |  |                |  |
|---|--|----------------|--|
| <b>Title:</b>                                 | MAINTAINING A DOUBLE-ENDED QUEUE AS A LINKED-LIST WITH SENTINEL NODES AND DELETE FLAGS WITH CONCURRENT NON-BLOCKING INSERT AND REMOVE OPERATIONS USING A DOUBLE COMPARE-AND-SWAP PRIMITIVE |                |  |
| <b>Application No.:</b> 09/547,290            | <b>Filed:</b>  | April 11, 2000 |  |
| <b>Examiner:</b> Lewis Alexander Bullock, Jr. | <b>Group Art Unit:</b>   | 2126           |  |
| <b>Atty. Docket No.:</b> 004-4664             | <b>Confirmation No.:</b>   | 4986           |  |

**ATTACHED HERETO:**

- (1) Transmittal Sheet (1 page); and
- (2) Response to Non-Final Office Action (12 pages)

**CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that, on the date shown below, this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office.

 Jun-28-2004  
Steven R. Gilliam Date

Respectfully submitted,



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June 28, 2004

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicant: Nir N. Shavit et al.  
Title: MAINTAINING A DOUBLE-ENDED QUEUE AS A LINKED-LIST WITH  
SENTINEL NODES AND DELETE FLAGS WITH CONCURRENT NON-  
BLOCKING INSERT AND REMOVE OPERATIONS USING A DOUBLE  
COMPARE-AND-SWAP PRIMITIVE

Application No.: 09/547,290 Filed: April 11, 2000  
Examiner: Lewis Alexander Bullock, Jr. Group Art Unit: 2126  
Atty. Docket No.: 004-4664 Conf. No.: 4986

Dear Sir:

Transmitted herewith are the following document(s) in the above-identified application:

- (1) Response to Non-Final Office Action(12 page(s))
- (2) This Transmittal Letter (1 page(s))

## Fees:

|                   |                |
|-------------------|----------------|
| n/a               | \$0.00         |
| n/a               | \$0.00         |
| <b>TOTAL FEE:</b> | <b>\$ 0.00</b> |

- ☐ A check is enclosed for the Total Fee shown above.
- ☐ Please charge the Total Fee shown above to Deposit Account 50-0631.
- ☐ Please charge the Total Fee shown above to credit card (Form PTO-2038 enclosed).
- ☒ The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. § 1.16 or 1.17 that may be required during the pendency of this application or by the papers submitted herewith, and to similarly credit any overpayment, to Deposit Account 50-0631.

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Steven R. Gilliam Date Jun-28-2004

Respectfully submitted,

Steven R. Gilliam, Reg. No. 51,734  
Attorney for Applicant(s)  
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PATENT

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Alexandria, VA 22313-1450

**RESPONSE TO NON-FINAL OFFICE ACTION**

This paper is responsive to a non-final Office action dated March 26, 2004, having a shortened statutory period for response set to expire June 26, 2004. Since the due date for the response without an extension of time fell on a Saturday, the response is being filed under 37 CFR § 1.7(a) on June 28, 2004, which is the next succeeding business day. In light of the Amendments and/or Remarks herein, further examination is requested.

Please amend the above-identified application as follows: